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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

### Utility Patent Application Transmittal (Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No: 18-47 US Date: August 25, 2003  
First Inventor: Hossein Najaf-Zadeh  
Title: Bit Rate Reduction in Audio Encoders By Exploiting Inharmonicity Effects and Auditory Temporal Masking

#### **Application Elements:**

|  |   |                  |
|--|---|------------------|
| 1. <input checked="" type="checkbox"/> | Fee Calculation (see Box 14)  |                  |
| 2. <input type="checkbox"/>            | Applicant claims small entity status.   |                  |
| 3. <input checked="" type="checkbox"/> | Specification   | Total Pages - 25 |
|  | - Description   |                  |
|  | - Claims  |                  |
|  | - Abstract of the Disclosure  |                  |
|  | - Appendix A and Appendix B   |                  |
| 4. <input checked="" type="checkbox"/> | Drawings - (10 Figures)   | Total Sheets - 7 |
| 5. <input checked="" type="checkbox"/> | Oath or Declaration   | Total Pages - 6  |
|  | a. <input checked="" type="checkbox"/> Newly executed (original or copy)  |                  |
|  | b. <input type="checkbox"/> Unexecuted  |                  |
|  | c. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br>(for continuation/divisional with Box 12 completed) |                  |
|  | i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u>  |                  |
|  | Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).                 |                  |

#### **Accompanying Application Parts:**

|  |  |   |
|--|--|---|
| 6. <input checked="" type="checkbox"/> | Assignment Papers (cover sheet & document(s))                                  |   |
| 7. <input type="checkbox"/>            | Information Disclosure Statement (IDS)/PTO-1449                                | Copies of IDS Citations <input checked="" type="checkbox"/> |
| 8. <input type="checkbox"/>            | Preliminary Amendment  |   |
| 9. <input checked="" type="checkbox"/> | Return Receipt Postcard <i>(Should be specifically itemized)</i>               |   |
| 10. <input type="checkbox"/>           | Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> |   |
| 11. <input type="checkbox"/>           | Other:   |   |

12. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

Continuation       Divisional       Continuation-in-part (CIP)  
of prior Application No.      filed  
Prior application information:      Examiner:      Group Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5c, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon which a portion has been inadvertently omitted from the submitted application parts.

13. CORRESPONDENCE ADDRESS:

Customer Number: 25319  
Freedman & Associates  
117 Centrepointe Drive, Suite 350  
Nepean, Ontario  
K2G 5X3 CANADA  
Tel: (613) 274-7272  
Fax: (613) 274-7414  
Agent: Gordon Freedman, Registration No. 41,553

14. FEE CALCULATION:

| <input type="checkbox"/> Applicant Claims Small Entity Status   |                 |                             |          | AMOUNT                  |                 |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
|---|-----------------|-----------------------------|----------|-------------------------|-----------------|-----------------------------|----|----------|----------|-----------|----------|--------------------|--------|-----|--------|----------|---|-----------|---|--------------------|--|--|--|--|--|------|---|--------------|--|--|--|--------------|--|--|--|----------|----------|--|--|----------|----------|--|--|-----|-------|--|--|-----|------|--|--|-----|-------|--|--|-----|-------|--|--|----------|
| <b>1. BASIC FILING FEE</b>  |                 |                             |          |                         |                 |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| <table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>101</td><td>750.00</td><td>201</td><td>370.00</td></tr></tbody></table>   |                 |                             |          | Large Entity            |                 | Small Entity                |    | Fee Code | Fee (\$) | Fee Code  | Fee (\$) | 101                | 750.00 | 201 | 370.00 | \$750.00 |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| Large Entity  |                 | Small Entity                |          |                         |                 |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| Fee Code  | Fee (\$)        | Fee Code                    | Fee (\$) |                         |                 |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| 101   | 750.00          | 201                         | 370.00   |                         |                 |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| <b>2. EXTRA CLAIM FEES</b>  |                 |                             |          |                         |                 |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| <table border="1"><thead><tr><th>Total Claims</th><th>35</th><th>-</th><th>20</th><th>=</th><th>15</th><th>x \$18.00</th><th>=</th></tr><tr><th>Independent Claims</th><td>5</td><td>-</td><td>3</td><td>=</td><td>0</td><th>x \$84.00</th><td>=</td></tr><tr><th>Multiple Dependent</th><td></td><td></td><td></td><td></td><td></td><th>\$**</th><td>=</td></tr></thead><tbody><tr><th>Large Entity</th><th colspan="3"></th><th colspan="4">Small Entity</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th></th><th></th><th>Fee Code</th><th>Fee (\$)</th><th></th><th></th></tr><tr><td>103</td><td>18.00</td><td></td><td></td><td>203</td><td>9.00</td><td></td><td></td></tr><tr><td>102</td><td>84.00</td><td></td><td></td><td>202</td><td>42.00</td><td></td><td></td></tr></tbody></table> |                 |                             |          | Total Claims            | 35              | -                           | 20 | =        | 15       | x \$18.00 | =        | Independent Claims | 5      | -   | 3      | =        | 0 | x \$84.00 | = | Multiple Dependent |  |  |  |  |  | \$** | = | Large Entity |  |  |  | Small Entity |  |  |  | Fee Code | Fee (\$) |  |  | Fee Code | Fee (\$) |  |  | 103 | 18.00 |  |  | 203 | 9.00 |  |  | 102 | 84.00 |  |  | 202 | 42.00 |  |  | \$270.00 |
| Total Claims  | 35              | -                           | 20       | =                       | 15              | x \$18.00                   | =  |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| Independent Claims  | 5               | -                           | 3        | =                       | 0               | x \$84.00                   | =  |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| Multiple Dependent  |                 |                             |          |                         |                 | \$**                        | =  |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| Large Entity  |                 |                             |          | Small Entity            |                 |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| Fee Code  | Fee (\$)        |                             |          | Fee Code                | Fee (\$)        |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| 103   | 18.00           |                             |          | 203                     | 9.00            |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| 102   | 84.00           |                             |          | 202                     | 42.00           |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| <b>3. OTHER</b>   |                 |                             |          |                         |                 |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| <table border="1"><tr><td>Fee Code - 581</td><td>Fee (\$)- 40.00</td><td>Recording Patent Assignment</td><td></td></tr></table>   |                 |                             |          | Fee Code - 581          | Fee (\$)- 40.00 | Recording Patent Assignment |    | \$40.00  |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
| Fee Code - 581  | Fee (\$)- 40.00 | Recording Patent Assignment |          |                         |                 |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |
|   |                 |                             |          | <b>TOTAL</b> \$1,228.00 |                 |                             |    |          |          |           |          |                    |        |     |        |          |   |           |   |                    |  |  |  |  |  |      |   |              |  |  |  |              |  |  |  |          |          |  |  |          |          |  |  |     |       |  |  |     |      |  |  |     |       |  |  |     |       |  |  |          |

15.  The Commissioner is hereby authorized to charge all fees in Box 14 above to Deposit Account 50-1142.

16.  The Commissioner is hereby authorized to charge any additional fees required or credit any overpayment to Deposit Account No. 50-1142.

Submitted By

  
Gordon Freedman, Reg. No. 41,553  
Telephone: (613) 274-7272